

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: November 8, 2001, 12:13:05 : Search time 5703.43 Seconds
(without alignments)
18957.079 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169
1 acctgtgtcagttaccctc.....cttggtccctcctcatgtcag 6169

Sequence:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 17159718 seqs, 8763200856 residues

Total number of hits satisfying chosen parameters: 34319436

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_NA_Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	6169	100.0	6169	13 US-08-938-669-3	Sequence 3, App11
2	6169	100.0	6169	16 US-09-227-881-3	Sequence 3, App11
3	6169	100.0	6169	17 US-09-306-828-3	Sequence 3, App11
4	5594.8	90.7	7360	50 US-60-172-360-23866	Sequence 23866, A
5	5275.4	85.5	5300	13 US-08-938-669-1	Sequence 1, App11
6	5275.4	85.5	5300	16 US-09-227-881-1	Sequence 1, App11
7	5275.4	85.5	5300	17 US-09-306-828-1	Sequence 1, App11
8	5271	85.4	5271	16 US-09-227-881-34	Sequence 34, App1
9	5271	85.4	5271	13 US-08-938-669-2	Sequence 2, App11
10	5253.4	85.2	5304	16 US-09-227-881-2	Sequence 2, App11
11	5253.4	85.2	5304	17 US-09-306-828-2	Sequence 2, App11
12	5253.4	85.2	5304	14 US-09-306-828-2	Sequence 2, App11
13	2677.4	43.4	2800	14 US-09-056-285-1	Sequence 1, App11
14	2677.4	43.4	2800	17 US-09-306-828-26	Sequence 26, App1
15	2677.4	43.4	2800	17 US-09-306-828-26	Sequence 26, App1
16	2480.8	40.2	2666	11 US-08-791-154-3	Sequence 3, App11
17	2238.2	36.3	2397	11 US-08-791-154-1	Sequence 1, App11
18	1821.6	29.5	1950	11 US-08-791-154-2	Sequence 2, App11
19	640.4	10.4	1548	13 US-08-938-669-26	Sequence 26, App1
20	640.4	10.4	1548	16 US-09-227-881-26	Sequence 26, App1
21	640.4	10.4	1548	17 US-09-306-828-26	Sequence 26, App1
22	640.4	10.4	1871	19 US-09-509-516-1	Sequence 1, App11
23	640.4	10.4	1871	19 US-09-509-516-18	Sequence 18, App1
24	640.4	10.4	1999	10 US-08-667-790-2	Sequence 2, App11
25	640.4	10.4	1999	26 US-09-666-547-2	Sequence 2, App11
26	614.2	10.0	2181	65 US-60-324-185-14659	Sequence 14659, A
27	604.4	9.8	1512	10 US-08-667-790-3	Sequence 3, App11
28	604.4	9.8	1512	26 US-09-666-547-3	Sequence 3, App11
29	604.4	9.8	1515	14 US-09-056-285-7	Sequence 7, App11
30	604.4	9.8	1515	14 US-09-056-285-7	Sequence 7, App11
31	604.4	9.8	1515	17 US-09-366-952-4	Sequence 4, App11
32	585.8	9.5	2800	14 US-09-056-285-4	Sequence 4, App11
33	585.8	9.5	2800	17 US-09-366-952-4	Sequence 4, App11
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64	585.8	9.5	2800	17 US-09-366-952-4	Sequence 4, App11
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[illegible]

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Db	2461	CTCAGAGGAAAG	GGGCGCTCCAC	GTCCAGAGAA	TTCAGAGAGTGGG	GACTGCAGGGAG					2520						
QY	2521	tgaggagc	ctgggctc	tgagcgg	gtctga	aagcag	gaag	tgaaag	aggcaag	gctga	2580						
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QY	2641	ctttttcttt	ctctctg	cttgga	aggaag	ta	ctatcca	tgaa	gggtg	ca	2700						
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QY	3121	gga	cagga	aggcag	ggaag	ctgg	gtctc	ca	ctca	ctcag	ctctac	gtacag	ctc	3180			
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Db	5821	AAATGGAATCTGGCCAGGAGGTTGGAAGCAGCAGCAGGAGGTTAGCAAGCTTGAA	5880
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Oy	6001	ctaaagcgagctccaagagcttccctggccctcttccctagagactgacacagcttagcacagac	6060
Db	6001	CTAAGCGGCTCCAGAGGCTCTCCCTGCTTCCTCTAGAGACGTGCAACACTTAGCAAGAC	6060
Oy	6061	agaatgaatlaaggaagaacacagactcaactccaagtaataactaagtaactttagctccctga	6120
Db	6061	AGATGAATTTAAGGAAGACACAGCATCACTCTCAAGATTACTAGTAAATTTAGCTCTGAG	6120
Oy	6121	agcttcaatlaagatlagctggcttcaagaagcttcctgtgtgcccctccatgctgaag	6169
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RESULT      2
US-09-227-881-3
; Sequence 3, Application US/09227881
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
; CURRENT APPLICATION NUMBER: US/09/227,881
; CURRENT FILING DATE: 1999-01-11
; EARLIER APPLICATION NUMBER: US 08/938,669
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 3
; LENGTH: 6169
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-227-881-3

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Query Match	100.0%	Score 6169;	DB 16;	Length 6169;
Best Local Similarity	100.0%	Pred. No. 0;		
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0y 181 cagatgtgtctctcgacagaagcctatcttctaaggaaacacacatccaatattgtgaatc 240

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Dd	241	catcaaaacagagatctaaagaaacagagaa tggagatgggacattgcacaaaggaaatctgcag	300
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RESULT 3
US-09-306-828-3
: Sequence 3, Application US/09306828
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: APPLICANT: Chen, Hua
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
: CURRENT APPLICATION NUMBER: US/09/306,828
: CURRENT FILING DATE: 1999-05-07
: EARLIER APPLICATION NUMBER: US 09/227,881
: NUMBER OF SEQ ID NOS: 38
: SOFTWARE: Microsoft Word 97
: SEQ ID NO 3
: LENGTH: 6169
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-306-828-3

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	Query Match	Similarity	Score	Pred.	No.	Mismatches	Indels	Gaps
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Oy	61	tccctaataacgttatagacctcatccgatgatgattctctggcaagatgaataaacca	120					
Dd	61	tccctaataacgttatagacctcatccgatgatgattctctggcaagatgaataaacca	120					
Oy	121	ggaagaagaagatgccacaagttagccaagaatgcaccaagcgtctcctcttaatttagtga	180					
Dd	121	ggaagaagaagatgccacaagttagccaagaatgcaccaagcgtctcctcttaatttagtga	180					

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RESULT 4
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; Sequence 23886, Application US/60172360
; GENERAL INFORMATION:
; APPLICANT: Morris, MacDonald
; APPLICANT: Lal, Praeli
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; FILE REFERENCE: GA-0007 P
; CURRENT APPLICATION NUMBER: US/60/172,360
; NUMBER OF FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 23838
; SOFTWARE: PERL Program
; SEQ ID NO 23886
; LENGTH: 7369
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No: 223079.1
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 1321-1562, 4158-4182, 4874-4912, 4986-5023
; OTHER INFORMATION: a, t, c, g, or other
US-60-172-360-23886

Query Match 90.7% Score 5594.8; DB 50; Length 7369;
Best Local Similarity 94.2% Pred. No. 0;
Matches 5596; Conservative 0; Mismatches 346; Indels 0; Gaps 0;

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Oy 61 tccataaacgtatagcctcattcgatgtatgtctcttgscagagatgataaagaatca 120

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QY	3241	ctccctaagcatagacaatgtgcatcttgccaataaccaaanaagatctgacagagactaactgtgt	3300
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Qy	1021	ggaataggatcagaagaaatcatatagaatcaactgtgtgcccaatccaaatttttcaagaatgac	1080
Db	1021	GGATAGGTCAAGAAATCATTTAAGAAATCAGTGTGCCCAATCTTAACTTTTCAGAAATGATC	1080
Qy	1081	tgctaaagccctcaacaacaagagccgaagtgtctcgaactbaacacaatcctacaaccaa	1140
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Qy	1141	gtgcctcaaacatttgtttaaggtgtactctcgaatgaagtcocattaaaaatgacactccc	1200
Db	1141	GTGCGCTCAACCAATTGTTAAAGTGTCAATCTCACTAGAGTGCCATTAACAAATGGCACCTCCC	1200
Qy	1201	tggtcagaccatcccgctcccaagagaatctccccaactctagaactctgtcatacagatgt	1260
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Qy	1261	taagacagaaagatccgttgaaaggctcgtgtgtcgtactbaacctactcgtatgctctac	1320
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Qy	1321	agctgaagactacagaaacctgtgcctcccaaggttcaagaatcttcctgtctgaagctcc	1380
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Qy	1381	cgcgtgaactggaactacaagagcagagcccgagctaaatttctgtatctgtatagaataggt	1440
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Qy	1441	gtttcacacaatatagcccgagctgtgtcttgaactcctgaactcaagtgaatccacaacctc	1500
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Qy	1501	agcctctctaaagtgctcgtggagcttaacagaaatagtgtaacggccgagcaaggttcaagtgt	1560
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Qy	1561	ctaaataaggaataaactgtgaatgtgttactcaaaccaacagaggaacagaacaaagctgtga	1620
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Qy	1621	taatttcaaggaatctctgtggaatlgaggaatgtgtgcataagagctgtcgtactgaccagac	1680
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Qy	1861	tgaaagcccccagaaagattctctctccagcttggggagagcccttgcaagcaaccggggtcc	1920
Db	1861	TGAAGCCCCCGGAGAGGTTTCTCTCCAGAGTGGGGAGACCTCTGCAACACCCGGGGTCC	1920
Qy	1921	tgagggtgtccctgagaaacctgtgcagagccgtgcacatgtgtgtttgttatcaactctcagg	1980
Db	1921	TGGGTGTCTGTAGCAACCTCTCCAGCCCGTGCACATGGTGTGTTTGTATCACTCTCAAG	1980
Qy	1981	gaactcgtgtacttctatcttctgtgtacatcgttcaatctcaatccaggacatactagaact	2040
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Qy	2041	tattgagtacttatactcgcagacacacagagaacaaatgtgtgagcaagagtaactgtc	2100

Dh	2041	TATGAGTACTTATATCTTGCCAGACACCAAGACAAATATGTTGAGCAAAAGAGTCACTGC	2100
Qy	2101	ccctaccctcgttggagtgagtcagttcttctca tggaaagcgtgcagaaagaaatltaa ttagcca	2160
Dh	2101	CTTACTCTTGtGGAGAGTgACAGTTTCTCATGGAAGACGTGCAGAAAGAAATTAATTAAGCCA	2160
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Qy	2341	gctctgcttcccgvtgaa tctgctctgtgtgac tctgagcttgagtcgaactcccttgctccaagct	2400
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Qy	2461	ctcagaaggaaaggagccctccacgctcccaagagaatctccaagaggttgaggac tgcagggag	2520
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Qy	2521	tggggacgctggggtc tlgagcggggtgtc tgaaaagcgagaag tlgaaaaggccaagctgaa	2580
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Qy	2761	ltaatcgtggaata tagaaagcgagctcatcttcc ttagccgttaata tccacggaagaaagtcac	2820
Dh	2761	TTAATGGGAAATATAGGAAGCGAGCTCAATTTCTACGCGGTAAATTCAAGCAAGAAAGTAC	2820
Qy	2821	tggagctctttcttctcatgtctcttgcggcaacta tcaagccctgtgggttgagacttggtcta	2880
Dh	2821	TGGAGCTTTTCTTTCATGTCTTCTTGGGCACTACTCAGCCCTGTGGTGGACTTGGCTTA	2880
Qy	2881	tgcagaagcgttcgaaaacttggaa tctcagagaaac ttcctctctctgtcttgcca t	2940
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Qy	2941	ggttgcgtgtgcagacgttgggcaag tgc tctctctctccctggggcca tagtctctctgtct	3000
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Qy	3001	ataaagacccttgacgctctgtgtgtcttgigaaac tccctcgta tctctctctgtgaagg	3060
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RESULT 7
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; Sequence 1, Application US/09306828
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis
; CURRENT APPLICATION NUMBER: US/09/306,828
; CURRENT FILING DATE: 1999-05-07
; EARLIER APPLICATION NUMBER: US 09/227,881
; EARLIER FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 38
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; LENGTH: 5300
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; ORGANISM: Homo sapiens
US-09-306-828-1

Query Match      85.5%; Score 5275.4; DB 17; Length 5300;
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[illegible]

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Best Local	Similarity	100.0%	Pred. No. 0		
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				0	
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Db	1	atcttgcgttcagttactcagggcctattgaaatgaaatgagataaccattgaaag	60		
QY	61	tccataaaccgtatagcctccatcgcgaatglatgctcttgcacggaatgataaagaatca	120		
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RESULT 9
US-09-306-828-34
; Sequence 34, Application US/09306828
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis
; CURRENT APPLICATION NUMBER: US/09/306,828
; EARLIER FILING DATE: 1999-05-07
; EARLIER APPLICATION NUMBER: US 09/227,881
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 34
; LENGTH: 5271
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-306-828-34

Query Match 85.4%; Score 5271; DB 17; Length 5271;

Best Local Similarity 100.0%; Pred. No. 0; Matches 5271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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RESULT 10
US-08-938-669-2
: Sequence 2, Application US/08938669
: GENERAL INFORMATION:
:   APPLICANT: Nguyen, Thai D.
:   APPLICANT: Polansky, Jon R.
:   TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
:   TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED DISEASES
:   TITLE OF INVENTION: S

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1 NUMBER OF SEQUENCES: 32
2
3 CORRESPONDENCE ADDRESS:
4
5 ADDRESSEE: Howrey & Simon
6
7 STREET: 1299 Pennsylvania Avenue, N.W.
8
9 CITY: Washington
10
11 STATE: DC
12
13 COUNTRY: USA
14
15 ZIP: 20004-2402
16
17 COMPUTER READABLE FORM:
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19 MEDIUM TYPE: Diskette
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21 COMPUTER: IBM Compatible
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23 OPERATING SYSTEM: DOS
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25 SOFTWARE: FastSeq for Windows Version 2.0
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27 CURRENT APPLICATION DATA:
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29 APPLICATION NUMBER: US/08/938,669
30
31 FILING DATE:
32
33 CLASSIFICATION: 435
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35 PRIOR APPLICATION DATA:
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37 APPLICATION NUMBER: 08/791,154
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39 FILING DATE: 28-JAN-1997
40
41 ATTORNEY/AGENT INFORMATION:
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43 NAME: Sira, Serge
44
45 REGISTRATION NUMBER: 39,445
46
47 REFERENCE/DOCKET NUMBER: 07425-0034
48
49 TELECOMMUNICATION INFORMATION:
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51 TELEPHONE: 202 383-6857
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53 TELEFAX: 202 383-6610
54
55 TELEX:
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57 INFORMATION FOR SEQ ID NO: 2:
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59 SEQUENCE CHARACTERISTICS:
60
61 LENGTH: 5304 base pairs
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63 TYPE: nucleic acid
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65 STRANDEDNESS: single
66
67 TOPOLOGY: linear
68
69 US-08-938-669-2

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Query Match	85.2%	Score 5253.4	DB 13	Length 5304
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			Indels	6
			Gaps	3

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Oy	121	ggaagaaggatatacaagttgaagcaagtgcacaggctctgtctgcctctatttagtga	180
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Oy	181	cagatctgcctccctgacagaagctatcttcaaggaaacatcacatccaataatgtlaaatc	240
Db	181	CAGATGTTGCTCTCGACAGAAAGTATTCTTCAGGAACATCATCATCAATATGTGTAATC	240
Oy	241	catcaacaaggagcttaagaaacaggaatgagaatggcactctggcccaaggaaataatgccag	300
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Oy	361	atgagagccaataatcaatgaaataagaaacagctcagaaaaaagaatgcttccaatltg	420
Db	361	ATGAGAGCCAAATCAATGATTAAGGAAACAGCTTCAGAAAAAAGATGTTTCCAAATTGG	420
Oy	421	taattaagtatttctcttgggaagagacctcatgttgactgatatgggaaaaatggaa	480
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D	2701	ATTAAGTCAGACTGTATAAATTCAGAGGTGTGCATGGGTTTTCCTTCACGAAGGCCTTTAT	2760
Q	2761	ctaaatgggaatctaaagaaagcgaactcaattctctagccgttaattcagcgaagaagtgc	2820
D	2761	TTTAATGGGAATATAGGAACGAGACTCATTTTCTAGCCGGTTAATTCACGGAAGAAGTAC	2820
Q	2821	tgaagctctctctctctatctctctctcctcctcctcctcctcctcctcctcctcctcctc	2880
D	2821	TGCACTCTTTTCTTTTATGTCTTCTGGCACTACTCAGCCCTGTGGGACTTGGCTTA	2880
Q	2881	tgcagaagcgtctcgaataaactcttgaaatcagaagactcggcttctctctcgtctcgcatt	2940
D	2881	TGCAAGACGGTGCAGAAACCTTGGAATCAGAGACTCGGTTTTCCTTCTGTTCTGGCATT	2940
Q	2941	ggttgcgtctgcagccgttgaggcaatgtctctctctcctcctcctcctcctcctcctcct	3000
D	2941	GGTTGGGTGTGCACACGCTGGCGCAAGTCTCTCTCCCTGGGCAATAGTCTTCTGCT	3000
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D	3001	ATTAAGACCTTCTCACCTCTCGTTCCTGTGAACACTTCCCTGTGATTTCTCTGTGAGGG	3060
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Q	3121	ggacagaagcagcagcagaagcttgggtgtctcctcctcctcctcctcctcctcctcctcctc	3180
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Q	3661	gtatgaactgaagcctgttaaagatctactagcttctcctctctctctctctctctctcct	3720
D	3661	GTAATACTAGAGCGGTGAAGATTAATTAAGTTCTCTTATTAAGAACTCTTTTCTCTGT	3720
Q	3721	ggagctagcagcagaagggcaatcccgcttctctctctctctctctctctctctctctctct	3780
D	3721	GGAGCTTAGCAGCAAGGGCAATCCGTTCTTTTAAACGGAAGAAACATTTCCCTTAAG	3780

OY	3781	taagccaaacagatctcaagccctaggctctgcgtacataagatcgtgttctttgaaaaat	3840
Db	3781	TAAGCCAAACAGATCTCAAGCCCTAGGCTCTGCTGATATGATGATGGTTTTTGAAAAAT	3840
OY	3841	catctcaacgcatgttctacatctgatactcagaataatgaaacagtaacctctgctcaactg	3900
Db	3841	CATTTCACCGATGTTTACTATCTGATTTCAGAAATGACATGATACCTTTGGTCAGCTG	3900
OY	3901	taaacaaaccccgatctglaaactgctcaagltcaagcttaactgagaaaccaataa-	3959
Db	3901	TAACAAACACCCGATCTTGTAAATGTCACAGTTCAGGCTTAACTGCACAAACCAATCAAT	3960
OY	3960	aagaaagaacatcttaagagcaaacgctgctctccaacatcggaagtgagctcgcaagg	4019
Db	3961	AAGAAATGAACATCTTTAGAGCAACACTGTCTTCTCCAC-TCGGAAGTGAAGTCTGCCAGG	4019
OY	4020	caglttggaataattctactctcaagaatactgaacactgcttggtgatactcaacaaataag	4079
Db	4020	CAGTTTGAATAATTTACTTTCACAGATGATGACACTGTGTGGTATTAACAACTTAAG	4079
OY	4080	ttgctccaaggcaatcatatattcaagtgagcttaagtaactctcgaacaglttggtata	4139
Db	4080	TTGCTCAAAAGCAATCATATTATTTCAAGGCGCTAAAGTTACTCTCGAAGATTTGGTATA	4139
OY	4140	tttaattgcatatgccaactgctctctgttcttctcccttggtgtatctaaatgtaagca	4199
Db	4140	TTTATTTGGCTATTTGCCATTTTGCTTTTGTCTTTGTTTCTCTTTGGGTTATTAAATGTAACGA	4199
OY	4200	ggagatlaaacctcaagltccagaagaaccctglaaattgaaatgagaaaaatacatct	4259
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OY	4560	tatatatttgaaaaaactctttcttgagaagaagttccccaagaattcaacaatagagttctg	4619
Db	4560	TATATATTTGAAAACATCTTTCTTGAGAAAGAGTCTCCCGAATTTCAACATAGAGGTTCTTG	4619
OY	4620	gcatacacacaacacagaaataagaacttgataagagctcaacaatctgaacttggctctgag	4679
Db	4620	GCATGCACACACACAGAGTAAGAACTGATTTTGAAGGCTAACAATTGACATTTGGTGCCTGAG	4679
OY	4680	atgcaagactgaatctagaagaatctctcccaaaagatacaacaglttgctttaagctagggct	4739
Db	4680	ATGCAAGACTGAATTTAAGAACTTCTCCCAAAAGATACACAGTTTGTTTAAACCTAGGGGT	4739
OY	4740	gaggggggaaactctgcgctctcaaggaaatgctctcccttgagagctctgtaagtgagctg	4799
Db	4740	GAGGGGGGAAATCTGCCCTTCTATAGGAATGCTCTCCCTGGAGCCTGTAAGGTGCTGT	4799
OY	4800	ccttgctgctcgtgcgtcgtatattctctctgcctctgactaagctctaaaggaactgct	4859
Db	4800	CCTTGCTGCTCGTGCCTGCTATTTTCTGCTGCCGCTACGCTTAAAGACTTGTT	4859

OY	3781	taagccaaacagatctcaagccctaggctctgcgtacataagatcgtgttctttgaaaaat	3840
Db	3781	TAAGCCAAACAGATCTCAAGCCCTAGGCTCTGCTGATATGATGATGGTTTTTGAAAAAT	3840
OY	3841	catctcaacgcatgttctacatctgatactcagaataatgaaacagtaacctctgctcaactg	3900
Db	3841	CATTTCACCGATGTTTACTATCTGATTTCAGAAATGACATGATACCTTTGGTCAGCTG	3900
OY	3901	taaacaaaccccgatctglaaactgctcaagltcaagcttaactgagaaaccaataa-	3959
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OY	3960	aagaaagaacatcttaagagcaaacgctgctctccaacatcggaaagtgaagctcgcaagg	4019
Db	3961	AAGAAATGAACATCTTTAGAGCAACTGTCGTTCTCCAC-TCGGAAGTCGATCTGCCAGGG	4019
OY	4020	cagltcggaaatattctactccaagtactgaaacgtctgtctgtaactcaacaaataaag	4079
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OY	4140	tttaattgcatattgcaacttgctctctgtctctctccttggtctatctaaatgtaagca	4199
Db	4140	TTTATTTGGCTATTTGCCATTTTGCTTTTGTGTTTTCTCTTTGGGTTATTAAATGTAACGA	4199
OY	4200	ggagatlaaacctcaagltccagaagaagccgylgaattgaaibagaaaaaatcatctt	4259
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OY	4260	ttgcttttaacacactctcaacataaatttaaacattatctcaatctgcgaatagaacataa	4319
Db	4260	TTATTTTACCACTCTTCACTAAATTTTAACTTTTATTTCAATTCGATTCGATTAAGGCATTA	4319
OY	4320	actcaaaigtglaaataaagaactaaccgtglaatttgatcatcaacatagaataacagacat	4379
Db	4320	ACTCAAGGTGAATTAAGAGTACTCTGATGTTTTGCAATTACCAATAGAATCACAGACAT	4379
OY	4380	tttaatacatatataagcttgcttgcaagataagctgtgaagtgaataatctatctcaaaact	4439
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OY	4440	actctgaaatbagacccctcgtcgtgaactctgtctttaaacaataaataaacaactttaa	4499
Db	4440	ACTTTGAATTAAGACCTCTCTGATCTTGTTTTTAACATTTATTAACAATCTTTTA	4499
OY	4500	aattctgataattgataaalcaatattcaatcaatctgttctcctctglaatcataatct	4559
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OY	4680	atgcaagactgaatctagaagaattctctccaaagaatacaacagttgttcttaaagctagggct	4739
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RESULT 11
US-09-227-881-2
; Sequence 2, Application US/09227881
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
; CURRENT APPLICATION NUMBER: US/09/227,881
; CURRENT FILING DATE: 1998-01-11
; EARLIER APPLICATION NUMBER: US 08/938,669
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 2
; LENGTH: 5304
; TYPE: DNA
; ORGANISM: Homo sapiens
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Query Match	85.28	Score 5253.4	DB 16	Length 5304
Best Local Similarity	99.88	Pred. NO. 0		
Matches 5293	Conservative	0	Mismatches 6	Indels 6
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QY 181 cagatgttgcctccgcagaagaagctattcttccaggaacatcacatccaatctgttaaatc 240
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Dh	181	casgagtgcttgcttcgacaggaagctatcttcacaggaaacatcacatcccaatagtgaaatc	240
Qy	241	catcaaacgvggagctcaagaaacaggaatcgatgtggaacttgcgccaggaanaatgcag	300
Dh	241	catcaaacgvggagctcaagaaacaggaatcgatgtggaacttgcgccaggaanaatgcag	300
Qy	301	gagagcaaatatgtatgaanaataaactttcccttgttttaatttcgagaaaaatg	360
Dh	301	gagagcaaatatgtatgaanaataaactttcccttgttttaatttcgagaaaaatg	360
Qy	361	atgagagaccaaaatcaatagaaataagaaagctcgaagaaanaagatggttccaatctg	420
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Dh	1201	tgtagcagcccatcccgctctcacaggaagctcccccactttaactctgcatacgaagat	1260
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QY	2461	ctcagaagaaagagagagccctccacagctccagagaaattccagagagctgagagacgtcagagag	2520
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QY	2581	gctgcacgaatgctcagtgctgtcacaaggtgtcgtgaattcttcgtcttcctcgtgagac	2640
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QY	2701	ataaagctacagctgtctaaaatccagagctgctgaatgggtcttccttcacagaaagctctat	2760
Db	2701	ataaagctacagctgtctaaaatccagagctgctgaatgggtcttccttcacagaaagctcttat	2760
QY	2761	ttaaatggaataataagaaagcagagctcaattctcagacgttaattcagaaagagtgac	2820
Db	2761	ttaaatggaataataagaaagcagagctcaattctcagacgttaattcagaaagagagtgac	2820
QY	2821	tggagctcttctctctcaatgctcttcgtgcaactacacacagccctgtggtgagacttgctta	2880
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QY	2881	tgcaagaaagctgcagaaacactctgaaatacagaagagctcgattctctctgctctgctcaat	2940
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QY	2941	ggtctgctcgtgagacagtgagagaaagtgctctcctctccctcgtgagacaaagctctctcgtc	3000
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QY	3121	ggaacagagaaagacagaaagctgagagctgagctcaatcagctctcaatgatacagctcagagac	3180
Db	3121	ggaacagagaaagacagaaagctgagagctgagctcaatcagctctcaatgatacagctcagagac	3180
QY	3181	cagagacgagagaccaaagtctctcagagaaagctcaatgaaaccaacagaccaaatttccct	3240
Db	3181	cagagacgagagaccaaagtctctcagagaaagctcaatgaaaccaacagaccaaatttccct	3240
QY	3241	tcacctaaagataagacaattgagatttgcaataaaacaaaagaatgagagataaactggt	3300
Db	3241	tcacctaaagataagacaattgagatttgcaataaaacaaaagaatgagagataaactggt	3300
QY	3301	ggtacagctcttcctcgtgacatacaaaactgtgccaagagcaggtgagaaatgtccagagatgtg	3360
Db	3301	ggtacagctcttcctcgtgacatacaaaactgtgccaagagcaggtgagaaatgtccagagatgtg	3360
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Oy	3661	gtgttaacctgaagctgttaagatctaagttctctctatataaggacctttctctgt	3720
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Db	3901	taaaacaacacccagatgtataatgtcttcagattcagaagcttaacagcgagaaccaataaa-	3960
Oy	3960	aagaaatagaatctcttagagcaaacctgtgtttctccacactgtagagtgaatctgcagag	4019
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Oy	4020	caagtctggaatatcttcaactcacaagaatgtgacactgtcttgattataacaacataag	4079
Db	4020	caagtctggaatatcttcaactcacaagaatgtgacactgtcttgattataacaacataag	4079
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Db	4080	ctgctcaaaagcaacatattctcaagtgtgcataaagttaactctcgaacagtttgtgata	4139
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RESULT 12
US-09-306-828-2
: Sequence 2, Application US/09306828
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: APPLICANT: Chen, Hua
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis
: CURRENT APPLICATION NUMBER: US/09/306,828
: CURRENT FILING DATE: 1999-05-07
: EARLIER APPLICATION NUMBER: US 09/227,881
: EARLIER FILING DATE: 1999-01-11
: NUMBER OF SEQ ID NOS: 38
: SOFTWARE: Microsoft Word 97
: SEQ ID NO 2
: LENGTH: 5304
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-306-828-2

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Oy 6125 tcatttgatttagtgcgtcagagttctctgccccccacagtcag 6169
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Db 2699 TCATTGATTAAGTAGGTTGACAGAGTTCTTGCCCTCCATGTCTAG 2743

RESULT 14

US-09-056-285A-1

Sequence 1, Application US/09056285A

GENERAL INFORMATION:

APPLICANT: Stone, Edwin M.

Sheffield, Val C.

Alward, Wallace L.M.

Fingerl, John

TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: FOLEY, HOWE & ELIOT LLP

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109-2170

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/056,285A

FILING DATE: 07-Apr-1998

ATTORNEY/AGENT INFORMATION:

NAME: Arnold, Beth E.

REGISTRATION NUMBER: 35,430

REFERENCE/DOCKET NUMBER: UIA-010, 28

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2800 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-056-285A-1

Query Match 43.4%; Score 2677.4; DB 14; Length 2800;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2736; Conservative 0; Mismatches 1; Indels 8; Gaps 5;

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Db 120 GCAGGCGATATGTGGGCGGAAAAAATCACTCAAGGAGAGTCGGGAGACTGATTCT 179
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Db 180 AATACTATATTTTCTTTACAACTGATTAATCTGAGCAAGTCACAAAGTAGTAACCTG 239
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Db 240 AGCGTGAAGATTAAGTATGTTCTCTTATTAAGAACTCTTTTCTCTGTGAGATTAGCA 299
Oy 3731 gcaaaagggaatccgcttcttcttaaaggaagaacatctctaaagagtagaagccaaa 3790
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Db 300 GCACAAAGGCAATCCCTTCTTTTAACAGAGAAACAAATCTCTTAAGAGTAAAGCCAAA 359
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Db 1019 TAGACCTCTCTCTGATCTGTTTAAATTAATTAATTAATTAATTAATTAATTAATTA 1078
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Oy 4570 aaacatcttctctgaagaagttccccaagattccaacaatgagttctctgacagcac 4629
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Db 1139 AAAACATCTTCTGAGAAATTTCCCGAATTTCAACCAATGAGTTCTTGACATGACAC 1198
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Db 1199 ACACAGAGTAAGAACTGATTAGAGGCTTAACATTTGACATTTGCTCTGAGATGCAAACT 1258
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Oy 4750 atctgcgcctctataagaaatgctctccctgagagcctgtgaggtgctgctctgtctc 4809
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RESULT 15
US-09-366-952-1
; Sequence 1, Application US/09366952
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffield, Val C.
; APPLICANT: Alward, Wallace L.M.
; APPLICANT: Fingert, John
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/366,952
; FILING DATE: Concurrently Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UTA-010,28
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2800 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-366-952-1

Query Match 43.4%; Score 2677.4; DB 17; Length 2800;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2736; Conservative 0; Mismatches 1; Indels 8; Gaps 5.

QY 3431 accgcaggggggagaaagaaagagagagatgctgatatgacaaagagacagattcat 3490
      |||||||
DB 1 AGCGAGGGGGAGGAAGC-AAAGAGAGGGAGTGTGTATGACCAAGAAAGACAGATTCAAT 59
      |||||||
QY 3491 tcaagggagctgggagattgacacacagggatctatccacgtgattcctgggtcttagag 3550
      |||||||

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D 60 TCAAGGACGTGGGATTTGACACAGGATTTATAGTCACGTGATCCGTTCTAGAG 119
OY 3551 gcaggagctaatctgtgggggaaaaaacatcagttcaagggaagtcggagaccgtatctc 3610
D 120 GCAGGGCTATATGTGGGGGAAAAAATCAGTTCCAGGGAAGTCGGGAGACCTATTTCT 179
OY 3611 aatactatcttctccttcaagctgaagtaattctgaagcaagtcagaagtagtaactg 3670
D 180 AATATATATATTTTCTTTACAAAGCTGATATCTGAGCAAGTCACAAAGGATTAATCTG 239
OY 3671 aggcctgaagaatactagttctcctcaatlaagaaacctcttctcctgtgaagtagca 3730
D 240 AGCGTTAAGATTACTAGTTTCTCCTTATAGAACCTTTTCTCTGTGAGATTAGCA 299
OY 3731 gcacaaggcaatcccgcttctcttcaaggaagaaaaacatctcctaagagtaaaagcaaa 3790
D 300 GCACAAAGGCAATCCCTTCTTTTAAACAGCAAGAAAAAATCTTAAGAGTAAGCCAAA 359
OY 3791 caaattcaagacctgaagctgaactataatgaattgttttcttcaaaaatcaattcagcg 3850
D 360 CAGATTAAAGCTTAGGCTGTGCTGACTATATGATTGTTTTGAAAAATCATTTCAAGCG 419
OY 3851 agtcttactatctgaatcagaanaaagaaagactaacctctgtcaagctgtcaaaacaa 3910
D 420 ATGTTTACTATCTGATTCAGAAATGAGACTAGTACCCTTGGTCACTGTAAACAAACA 479
OY 3911 cccagttgttaaaagtcctcaagttcaagcttaactcgcagaacaaatcaaa -aagaatgaa 3969
D 480 CCCATTTGTAAATCTCTCAAGTTCAAGCTTAACTGCAAGAACAAATCAAAATGAATAGAA 539
OY 3970 tctttagaagaaactgtgtctcctcagatcagagtggaagctgcaggggaagtttggaa 4029
D 540 TCTTTAAGCAAACTGTGTTCTCAC -TCTGAGAGTGAGTCTGCCAGGGAGTTGGAA 598
OY 4030 aatcttactcaagaatctgacactgtgtgtglatcaacaataaagttgttcaag 4089
D 599 ATATTACTTCAAGATTTGACACTGTGTGGATTTAACACATTAAGTTGCTCAAG 658
OY 4090 gcaatcaatctcaagtgagcttaagttactctgaagcttctgtatattctgtgct 4149
D 659 GCAATCTTAAATTTCAAGTGGCTTAAATTAATTAATTAATTTGTTGCT 718
OY 4150 atgtccttctgcttctgtcttctccttctgtgttcttcaatgtcaagcaaggaattat 4209
D 719 ATTGCCATTGCTTTTGTCTTTCTCTTGGTTTATTAATGTAAGCAGGATTAATTA 778
OY 4210 acctacagtcacaagaagcctgtgaattctgaaatgaagaaaaatctacttctgtctac 4269
D 779 ACTTACAGTCCAGAAAGCTGTGAATTTGAATGAGAAAAAATTAATTTTGTGTTTAC 838
OY 4270 caactcttaactaaattcaaatcttactcgaatctgaagcacaataaactcaagtg 4329
D 839 CACCTTAACTTAAATTTAAATTTTATTCATTTGCGAATGAGCCCAATTAATCTAAGT 898
OY 4330 gtaatacagtaactgtgaattctgtcatlaacaaatagaatcacagaaatcttactat 4389
D 899 GTAAATAACAGTACTGTGATTTTGTCAATTACCAATAGAAATCAAGAAATTTTACTAT 958
OY 4390 attaacagctgtcagaataagctgtlaagtgaaatatactatactcaaaactcttgaat 4449
D 959 ATTACAGTTGTGAGATAGCTGTGAATGAATATTATCTCAAAACTCTTTGAAT 1018
OY 4450 taagaccctcgtcgtgactgttcttaacataataaacaagcttaaaacttgaata 4509
D 1019 TAGACCTCTGCTGATCTGTTTAAATTAATTAATTAATTAATTTTGTGATA 1078
OY 4510 ttttgaataatcaatctcaatcaatctgttctcctgttgaatcttataattatgt 4569
D 1079 TTTTGAATTAATTAATTTATATTTATTTGTTTCTTTGTAATTAATTTATTTTGG 1138
OY 4570 aaaaacatctctcgaagaagttcccaagatctcaacaaatgaagttcttgcagtcagac 4629
D 1139 AAAACATCTTTCTGAGAAAGATTCCCGAATTTCAACCAATGAGGTTCTTGCAATGCACAC 1198

OY 4630 acacagagtaagaactgaatttaagagctaaactatgaacttgtgctcgtgaatgaagact 4689
D 1199 ACACAGAGTAAGAATCTATTTAGAGCTTAACATTTGACATTTGCTCCGAGATGCAAGACT 1258
OY 4690 gaattagaagaactctcccaagaatacaagctgttcttaagctcagggtgaagggggaa 4749
D 1259 GAATTTAGAAAGTTCTCCCAAGATACACAGTGTGTTTAAAGCTAGGGGTGAGGGGGA 1318
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D 1319 ATCTGCCGCTTCTATAGAAATGCTCTCCCTGAGCCTGAGTGGTGTCTGTTGTTTC 1378
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OY 4870 gtctcagcaatgagtcctcctcctgaagctgaagttctcaatgaattctgaagtgaaatgaa 4929
D 1439 GTTCTTACATAGTCCCTGCGCACAGTGTCTCAATGAGTTTGCAGACTGAATGGA 1498
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D 1559 GTGTACGT 1618
OY 5050 ttattcgt 5109
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D 1739 AGCCCAACCCAGCTCAAGT 1798
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D 1799 TATATATAAATCTCTGTGAGACTGTGGCATGAGCAGACCAACCATCTCAGGACACT 1858
OY 5290 ctcaagcaagcagaagcttccagaagaagcctcaacaaagcctctgtcaatgaagttctct 5349
D 1859 CTCAGCACAGCAGAGCTTTCCAGAGAAAGCTCACAAAGCTCTGCAATGAGTTCTTCT 1918
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D 2219 ACCAGGCTGCCAGGCCAG 2278

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    |||||||
QY 5770 tcctccgagacaagtcagctctgagagaagaaagcgaagcaagcaagaaatgaga 5829
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Db 2339 TCCTCCGAGACAAGTCACTGTGAGAGAGAGAAAGCCACTAAGGCAAGAAATGAGA 2398
    |||||||
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Db 2699 TCATTAGATTAGTGTGCTCAGAGTCTTGTGCCCCCTCATGCTCAG 2743
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